LX Sounder Beacons Conventional

BOSCH
Invented for life

- Complies with EN54-3 and EN54-23
- Up to 7.5 m coverage / DIN tone 102 dB(A)
- Variable flash rate
- Low current consumption
- LED technology

The LX Sounder Beacons are for dual use applications where a visual alarm device is required in addition to an audible alarm.

Functions

The device has a unique lens design to achieve the required illumination specified by EN54-23. The flash rate as well as a reduced coverage volume can be set via DIP switch.
The light is distributed in a cubical shape for wall application.
The integrated sound transducer offers a selection of 32 tone variants, including various wailing tones, diverse signals for fire alarm (e. g. the DIN tone according to DIN 33404) and other special modulations.
The tones and volume are set with a 6-pin DIP switch in the signaling device. With a selected tone type, on activation of the second input, the second tone type is switched on.
Depending on the tone type, volume set, and operating voltage, the sound pressure varies.
The device is designed for a variety of applications.

Certifications and approvals

Region	Certification	
Germany	VdS	G 214070 LX Sounder Beacon Wall Base
Europe	CE	RoLP LX Wall Base
	CPD	0333-CPD-075444 LX_Beacon_Wall_Base_EN
Poland	CNBOP	2233/2014 ROLP

Installation/configuration notes

- The current consumption depends on the tone type of the audible device and the flash rate and the coverage of the optical signaling device. Add up both current consumption values to calculate the total current consumption of the sounder beacon.
- Can be connected to the following fire panels:
  - FPA-5000 / FPA-1200 with NZM 0002 A or FLM-420-NAC
  - FPC-500 Conventional Fire Panel
- The device is suitable for wall applications.
- The device is suitable for indoor and outdoor use. (Outdoor use only with appropriate cable fittings. Not included in delivery.)
- The coverage of the device depends on the ambient light level. Consider also the maximum mounting height of the device.

- For reliable planning use the Planning Software by Bosch for Fire Alarm Systems.

Parts included

Qty.	Components
1	Optical signaling device for wall application, red or white, red flash or white flash (base)
1	Audible signaling device, red or white

Technical specifications

Mechanics

Housing and base color	Red similar to RAL 3031 White similar to RAL 9003
Weight	200 g
Dimensions (Ø x H x D)	95 mm x 135 mm x 95 mm

Tone Table LX Sounder Beacons

(1)	(2)						24 V DC		EN54-3 15/28 V DC
							mA	dB(A)	dB(A)
1	14	11111		800 & 970Hz	2Hz (250ms ~ 250ms)	BS	13	101	
2	14	11110		800 & 970Hz	7Hz (7/s)	BS	12	100	
3	14	11101		800 & 970Hz	1Hz (1/s)	BS	12	102	92/95
4	14	11100		2850Hz			32	105	
5	4	11011		2400 ~ 2850Hz	7Hz		32	109	
6	4	11010		2400 ~ 2850Hz	1Hz		32	112	
7	14	11001		300 ~ 1200Hz	3s | 0.5s | 3s | 0.5s...	NEN	12	103	93/97
8	14	11000		1200 ~ 500Hz	1Hz	DIN	15	102	93/94
9	4	10111		2400 & 2850Hz	2Hz (250ms ~ 250ms)		31	105	
10	14	10110		970Hz	0.5Hz (1s | 1s)		8	101	
11	4	10101		800 & 970Hz	1Hz (500ms ~ 500ms)	BS	12	101	
12	4	10100		2850Hz	0.5Hz (1s | 1s)		17	105	
13	14	10011		970Hz	0.8Hz (250ms |1s)		5	101	
14	14	10010		970Hz		BS	14	101	93/95
15	14	10001		554 & 440Hz	100ms ~ 400ms	NFS	17	102	
16	16	10000		660Hz	3.3Hz (150ms |150ms)		6	100	
17	17	01111		660Hz	0.28Hz (1.8s |1.8s)		7	101	
18	18	01110		660Hz	0.05Hz (6.5s |13s)		6	101	
19	19	01101		660Hz			10	101	
20	20	01100		554 & 440Hz	0.5Hz (1s |1s)		16	102	
21	21	01011		660Hz	1Hz (500ms ~ 500ms)		6	101	
22	14	01010		2850Hz	4Hz (150ms |100ms)		27	104	
23	14	01001		800 ~ 970Hz	50Hz	BS	12	100	
24	4	01000		2400 ~ 2850Hz	50Hz		32	108	
25	25	00111		970Hz	3 x 500ms|1.5s |3 x 500ms...	ISO 8201	7	101	
26	26	00110		800 ~ 970Hz	3 x 500ms|1.5s |3 x 500ms...	ISO 8201	6	102	
27	27	00101		970 & 800Hz	3 x 500ms|1.5s |3 x 500ms...	ISO 8201	6	101	
28	10	00100		800 & 970Hz	2Hz (250ms ~ 250ms)	BS	12	101	
29	988Hz	00011		990 & 650Hz	2Hz (250ms ~ 250ms)	BS	20	105	93/96
30	510Hz	00010		510 & 610Hz	2Hz (250ms ~ 250ms)	BS	16	100	91/92
31	14	00001		300 ~ 1200Hz	1Hz		14	103	
32	510Hz	00000		510 & 610Hz	1Hz (500ms ~ 500ms)	BS	16	100	

Electrical

Operating voltage	18 - 30 V DC / 9 - 15 V DC
Current consumption	dependent on flash rate setting, coverage setting and sounder setting

Environmental conditions

Protection class	IP65 *
Permissible operating temperature	-25ºC - +70ºC
Permissible rel. humidity	Complies with EN54-23

*Manufacturers specification, not third party verified

Special features

Maximum mounting height (x)	2.4 m
Coverage (y)	7.5 m (switchable to 2.5 m)
Coverage volume	135 m^3 (15 m^3)
Coverage volume code (C-x-y / W-x-y)	W-2.4-7.5
Flash rate	1Hz (switchable to 0.5 Hz)
Flash color	White or red
Maximum sound pressure level	112 dB(A)